

## Product datasheet for **MC202698**

### **Tubb4a (NM\_009451) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tubb4a (NM_009451) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tubb4a
Synonyms:	A1325297; M(beta)4; Tubb; Tubb4
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC049112 sequence for NM\_009451  
 AGCTTGACGGAGGAGATCCCTACTTTTCCGAGGGCCCTCCCTCCATCCTCCTCCATTACTCCAGTCCCTC  
 CATCCTTCACTGCAAGCATCCTAGGCGGGCCAGGAGGCGGAGCACGCGGGTGACCCAGCGGTGACGTGA  
 GTACTGCTCCGCAAAATAGAGACGCCCCGGGGCGCAGAGACAGAGCTCCGCAGCCATCTCGTCCAGAGC  
 TAGAGCCACAGCGCCGGTGCACACCCGTCCATCAGACGCCACCAGCAGCGCCACCACCATGCGGGAAAT  
 CGTGCACCTGCAAGCCGGTCAATGCGGTAACCAGATCGGGGCAAGTCTGGGAGGTATCAGTATGAG  
 CACGGCATCGACCCCACTGGGACCTATCATGGGACAGTGACCTCCAGCTGGAGAGGATCAATGTCTACT  
 ACAATGAGGCCACAGGTGGAACCTATGTTCCAGAGCCGTGCTGTCGACCTGGAACCCGGCACCATGGA  
 CTCTGTCCGCTCCGGCCCTTTTGCCAGATCTTTGCGCCAGACAACCTTTGTATTTGGTCAATCCGGAGCA  
 GGCAACAACCTGGGCCAAGGGTCACTACACCGAGGGCGCGGAGTTAGTGGATGCCGTCTGGACGTGGTGC  
 GCAAAGAGGGCGAAAGCTGCGACTGTCTCCAGGGCTTCCAGCTCACCCACTCGCTCGGAGGTGGCACC  
 CTCAGGCATGGGACCTTGTCTATCAGCAAGATCCGAGAGGAGTTTCCAGACAGGATCATGAATACGTTT  
 AGCGTGGTGCCATCACCAAGGTGTCTGACACGGTGGTGGAGCCCTACAATGCCACACTGTCTGTGCATC  
 AGCTGGTGGAGAACAATGATGAGACCTACTGCATCGACAACGAGGCCCTGTACGACATCTGCTCCGCAC  
 GCTCAAGCTGACCACGCCACCTACGGGGACCTCAACCACCTCGTGTGAGCCACCATGAGTGGAGTACC  
 ACCTGCCTACGTTTCCCGGGCCAGCTCAATGCAGATCTACGCAAGCTGGCTGTGAATATGGTGCCATTCC  
 CCCGTCTCCACTTCTTATGCCAGGATTCGCACCCCTTGACCAGCAGGGGCAGCCAGCAGTACCGGGCCCT  
 CACCGTTCCTGAGCTGACCCAACAGATGTTTCGATGCTAAGAACATGATGGCTGCGTGTGACCCGAGACAC  
 GGTGCTACCTGACTGTGGCTGTGTCTCCGGGGACGGATGTCCATGAAGGAGGTAGACGAGCAGATGT  
 TAAGTGTGACAGCAAGAACAGCAGTACTTCTGTTGAGTGGATCCCCAACAAATGTCAAGACAGCCGTATG  
 TGACATCCCACCCGGGGCTGAAGATGGCAGCCACCTTTCATCGCAACAGCACTGCCATCCAGGAGCTG  
 TTCAAGCGCATCTCGGAGCAGTTCACCGCCATGTTGAGCAGCAAGGCCTTCTGCACTGGTACACGGGGC  
 AAGGCATGGACGAGATGGAGTTTACGGAAGCAGAGCAATATGAACGACCTGGTGTCCGAGTACCAGCA  
 GTACCAGGATGCCACTGCTGAAGAGGGCGAGTTCGAAGAGGAGGCTGAAGAGGAGGTGGCTTAAGTCTCC  
 TGCCATCACTCTGTCCCTGGGGCCACCAGCAAAGCTTTGACCCTAAGCATCACACCCCTGCACCTAGTT  
 GCCTCATTCCCTAGGACCCCATGAGCATCTTACCATGAGGGCCAAAGCCAGGTTGCTTCTATTTGCTTC  
 ACCTTTAACTCCTAAACCCCACTGTCTCTCAACCTGCCAGGGAAGGGCTCTTCTAGTTCATGAGCGC  
 CCCTCAACACATGTACACACACACACACTCCACCTTCTTAGATCTTGAAAATCCTTTCTTTATGCC  
 TGTCCTTCCCCAGCACTCCTGAACCATTCTCCTCCACCTGTGACATGCCAGATATTTCTTAGATCTT  
 AACATTTTCCCCAGCCTCAAGTCTCTCACCTTGCCTTACCTCTGACCTCACAGCTACCCACTCCTGAC  
 CCAGCACCTTCACTCTGGCTCCCGTAAGTCCCCGTATGTTCTGCTGCTTGTGCTTAGTTCAGTTCTTAC  
 CAGAGAAGTGCTGAAGGACGAGGAAAAAGAGAGGCTGTTGCTGGGGTGAGAGACCCCTCCCTAAAAT  
 CCACCCACCCCTGCTCTCCCTGCTGACCTCCATCAATAAATGAGTCATTGCTTTGGAAAAA AAAAAA

- Restriction Sites:** Ascl-NotI
- ACCN:** NM\_009451
- Insert Size:** 1335 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [BC049112](#), [AAH49112](#)

**RefSeq Size:** 2246 bp

**RefSeq ORF:** 1335 bp

**Locus ID:** 22153

**UniProt ID:** [Q9D6F9](#)

**Cytogenetics:** 17 29.66 cM

**Gene Summary:** Tubulin is the major constituent of microtubules. It binds two moles of GTP, one at an exchangeable site on the beta chain and one at a non-exchangeable site on the alpha chain. [UniProtKB/Swiss-Prot Function]